

NEW MEXICO OIL CONSERVATION COMMISSION
MULTI-POINT AND ONE POINT BACK PRESSURE TEST FOR GAS

7000 0-222
0-222 0-222

RECEIVED

NOV 19 1970

OIL CON. COM.
DIST. 3

☒ Initial ☐ Annual ☐ Special		Test Date 11-10-70		NOV 19 1970	
Company Shell Oil & Gas Company		Connection Southern Union Gathering		OIL CON. COM. DIST. 3	
Well 11-8-70		Formation Pictured Cliffs		Unit	
Total Depth 2520		Plug Back TD 2520		Elevation 5770 Gr	
Corrosion 0.000 0.000		Sur. At 2422		Name of Lease Name Lexington	
Perforations 1.217 1.74		From 2422 To 2452		Well No. 117	
Perforations 1.217 1.74		Sur. At 2422		From ---- To ----	
Type of Cement - Sandstone - G.C. or G.O. Multiple 11-8-70		Packer Set At ----		County Box Elder	
Reservoir Temp. °F 50.0		Mean Annual Temp. °F 50.0		State W. Virginia	
% CO ₂		% N ₂		Prover Meter Run Ticks	

[illegible]

RATE OF FLOW CALCULATIONS						
Coefficient No.	$\sqrt{P_m P_m}$	Pressure P_m	Flow Temp. Factor P_t	Gravity Factor P_g	Super Compress. Factor, P_{pv}	Rate of Flow Q , Mils
17.775		338	1.0000	.9952	1.0190	2725

N.O.	T ₁	Temp. °F.	T ₂	Z	Gas Liquid Hydrocarbon Ratio _____ Mol/sbl.
					A.P.M. Gravity of Liquid Hydrocarbons _____ Deg.
					Specific Gravity Separator Gas _____ X X X X X X X X X
2.					Specific Gravity Flowing Fluid _____ X X X X X
3.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
4.					Critical Temperature _____ °R _____ °R
5.					

$$\begin{aligned} \text{ACW} &= Q \left[\frac{\sigma_o^2}{\sigma_o^2 + \sigma_w^2} \right]^n = \underline{2928} \\ \text{ACF} &= Q \left[\frac{\sigma_o^2}{\sigma_o^2 - \sigma_w^2} \right]^n = \underline{1.0745} \end{aligned}$$

Flow 1028 Meters 18.003 Angle of Slope ϕ _____ Slope, n _____

Approved By: Commissioner	Conducted By:	Calculated By:	Checked By:
		<i>[Signature]</i>	